



JPW

PTO/SB/21 (09-04)  
Approved for use through 07/31/2006. OMB 0851-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/611,822	
	Filing Date	30th June, 2003	
	First Named Inventor	BURKE, James	
	Art Unit	2672	
	Examiner Name	CHUNG, Daniel J.	
Total Number of Pages in This Submission	6	Attorney Docket Number	KRM-001 JB

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached  <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Receipt Postcard
Remarks		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	Bell & Associates	
Signature		
Printed name	Matthew Kaser	
Date	2nd September, 2005	Reg. No. 44,817

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name	MATTHEW KASER	Date	2nd September, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/17 (12-04v2)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**  
**For FY 2005**☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 0.00

**Complete if Known**

Application Number	10/611,822
Filing Date	30th June, 2003
First Named Inventor	BURKE, James
Examiner Name	CHUNG, Daniel J.
Art Unit	2672
Attorney Docket No.	KRM-001 JB

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☒ Deposit Account Deposit Account Number: 50-3194 Deposit Account Name: Bell & Associates

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
--------------	--------------	----------	---------------

- 20 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
---------------	--------------	----------	---------------

- 3 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
--------------	--------------	--	----------	---------------

- 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): \_\_\_\_\_

**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent) 44,817	Telephone (510) 537-2040
Name (Print/Type)	MATTHEW KASER		Date 2nd September, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

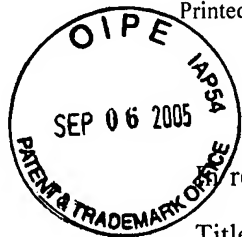
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



I hereby certify under 37 CFR 1.8 that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, PO Box 1450, Alexandria VA 22313-1450 on 2 September 2001.

By: 

Printed: Matthew Kaser



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

re Application of: Burke, James.

Title: LAYERED AND VECTORED GRAPHICAL USER INTERFASE TO A KNOWLEDGE AND RELATIONSHIP RICH DATA SOURCE

Serial No.:	10/611,822	Filing Date:	5 <sup>th</sup> June, 2003
Examiner:	CHUNG, Daniel J.	Group Art Unit:	2672

Commissioner for Patents  
PO Box 1450  
Alexandria VA 22313-1450

**RESPONSE TO RESTRICTION REQUIREMENT**

Sir:

This communication is in response to the Restriction Requirement mailed 28<sup>th</sup> June, 2005. The Examiner has given Applicant a shortened statutory period of three (3) months to reply. This response is timely filed.

Claims 1-3 were originally filed. In response to a first Office Action, Applicant amended independent claims 1, 2, and 3, and requested entry of new dependent claims 4 through 9.

The Examiner entered the amendments and new claims 4 though 9 and requested Applicant to elect claims corresponding to one of the following inventions:

Group I	Claims 1 and 7	drawn to 'graphical user interface (GIU)' (classified in class 715, subclass 700)
Group II	Claims 2, 4 and 8	drawn to 'application of data structure' (classified in class 707, subclass 104.1)
Group III	Claims 3, 5, 6, and 9	drawn to 'generating data structure' (classified in class 707 subclass 102)

The MPEP states:

If the search and examination of an entire application can be made without serious burden, the examiner must examine it on the merits, even though it includes claims to independent or distinct inventions. (MPEP 803.)

and

The term "independent" (i.e., not dependent) means that there is no disclosed relationship between the two or more subjects disclosed, that is, they are unconnected in design, operation, or effect, for example: (1) species under a genus which species are not usable together as disclosed; or (2) process and apparatus incapable of being used in practicing the process. (MPEP 802.01)

In response to the Restriction Requirement, Applicants elect Examiner's Group I (claims 1 and 7), **with traverse**. Applicants submit that the invention encompassed by the claims of Examiner's Group II (drawn to an image having at least two nodes, the nodes being linked by at least one line) and of Examiner's Group III (drawn to a method of building a knowledge web) could be examined at the same time as the inventions encompassed by the claims of Examiner's Group I (drawn a graphical user interface (GUI) having a plurality of nodes, the nodes being linked by at least one line).

For example, a search of the prior art to determine the novelty of the GUI of the invention, the image of the invention, and the method of building a knowledge web of the invention have already provided the Examiner with information regarding the novelty of the invention claimed in independent claims 1, 2 and 3 with respect to a single prior art reference (USPN 6,166.739 to Hugh) (see Examiner's first Office action, mailed November 2, 2004). Accordingly, Applicant submits that examination of independent claims 1, 2, 3, and dependent claims 4 through 9 would not pose a serious burden.

Further, Applicant respectively submit that Applicants disclosed a relationship between the inventions of Examiner's Group I, Examiner's Group II, and Examiner's Group III, in the specification at page 5, last paragraph, continued on page 6, first paragraph, page 8, last paragraph, continued on page 9, first paragraph, and at page 16, last paragraph, and in Figures 1, 2, and 3, where Applicant states, in part:

"The present invention optionally provides a *graphical user interface* (GUI) tool-

suite that visually displays information by means of text, *images*, photographic images, cartoons, symbols, shapes, geometric shapes, orientations between and among elements of the user interface, lines, colors and *other suitable data* and data attribute indicating and presenting techniques known in the art. In one embodiment of the present invention a *plurality of data* objects are visually presented to a user as a *knowledge web image*. The data object, or node, may optionally contain or be associated with data contained in a record or document, and presented as textual, photographic, or visual images, or by other suitable information display qualities or sensory output means.” (Emphases added.)

“The present invention, in another embodiment, is a *graphical user interface (GUI)* used to create a knowledge web (K-Web). The GUI may be used to retrieve data and records from a database and then *establish a relationship between those data and records* by using the GUI to connect the data and records as described below in one of the embodiments and in the examples section. The relationships can then be used to make a relational network to improve the K-Web.” (Emphases added.)

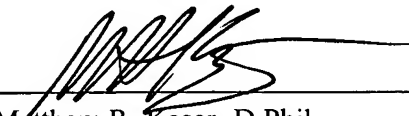
“Each of the three figures disclosed shows an *image* of an embodiment of the invention. Other embodiments may include pictographic representations of components of a system, graphic representations of data, audio-visual *display of data*, and the like.” (Emphases added.)

Therefore the image of claims 2, 4 and 8 is capable of being used with the method of claims 3, 5, 6, and 9 and with the GUI of claims 1 and 7.

This response is timely filed. However, if the USPTO determines that an additional fee or a refund of fee is due, the Commissioner is hereby authorized to charge or credit Bell & Associates **Deposit Account No. 50-3194**.

Respectfully submitted,

Date: 2 September, 2005

  
 \_\_\_\_\_  
 Matthew R. Kaser, D.Phil.  
 Reg. No. 44,817

4793 Ewing Road  
 Castro Valley, California 94546  
 Phone: (510) 537-2040  
 Fax: (415) 276-6040